EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	31	("3623032" | "3623035" | "3816909" | "3947831" | "4044330" | "4060794" | "4158891" | "4455626" | "4731757" | "4780848" | "4801883" | "4849695" | "4945397" | "5039655" | "5064499" | "5140549" | "5496759" | "5547599" | "5569617" | "5587943" | "5650958" | "5701222" | "5726498" | "5741435" | "5756366" | "5795823" | "5861328" | "5926394" | "5956267" | "5982658" | "6048739").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/20 07:30
L5	224	(oxide adj layer) with (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 07:31
L6	12	(oxide adj layer) near (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 07:33
L7	10	((etch$3 or remov$3 or pattern$3) near (oxide adj layer)) same (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 07:36
L8	1	("6657826").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/20 07:35
L9	37	((etch$3 or pattern$3) near (oxide adj layer)) and (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 07:44
L10	41	((etch$3 or pattern$3) near (antiferromagnetic adj layer)) and (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 07:44
L11	18	((etch$3 or pattern$3) near (antiferromagnetic adj layer)) same (magnetoresistive or (spin adj valve) or GMR)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/20 08:06
L12	1	("20040087037").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/20 08:07
L13	2	(("20020080645") or ("20020085412")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/20 08:07

EAST Search History

S1	4041	29/603.07,603.09,603.13,603.14, 417,846,850,854.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:01
S2	5154	magnetoresistive adj (element or material or sensor)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:15
S3	26298	(connect$3 or conduct$3) adj pad	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:08
S4	72	(magnetoresistive adj (element or material or sensor)) and ((connect$3 or conduct$3) adj pad)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:14
S5	6	29/603.07,603.09,603.13,603.14, 417,846,850,854.ccls. and ((magnetoresistive adj (element or material or sensor)) and ((connect$3 or conduct$3) adj pad))	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:08
S6	79	"5465186".URPN.	USPAT	OR	ON	2004/11/04 15:10
S7	9	("4317149" | "4761699" | "4786993" | "4800454" | "4841395" | "4987514" | "4996623" | "5270645" | "5361547").PN.	USPAT	OR	ON	2004/11/04 15:13
S8	11	((magnetoresistive adj (element or material or sensor)) and ((connect$3 or conduct$3) adj pad)) and ((web or substrate) same cut$3)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S9	67	(magnetoresistive adj (element or sensor)) and ((connect$3 or conduct$3) adj pad)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S10	54	((magnetoresistive adj (element or sensor)) and ((connect$3 or conduct$3) adj pad)) and (web or substrate)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:16
S11	53	(((magnetoresistive adj (element or sensor)) and ((connect$3 or conduct$3) adj pad)) and (web or substrate)) and connect$3	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:30
S12	3	("4847584" | "5247278" | "5583424").PN.	USPAT	OR	ON	2005/09/09 10:24
S13	9	"5952825".URPN.	USPAT	OR	ON	2004/11/04 15:25
S14	527	360/324.1,324.11,324.12.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:30

S15	2	((magnetoresistive adj (element or sensor)) and ((connect$3 or conduct$3) adj pad)) and 360/324.1,324.11,324.12.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S16	9121	427/127-131.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S17	0	((magnetoresistive adj (element or sensor)) and ((connect$3 or conduct$3) adj pad)) and 427/127-131.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:31
S18	0	(magnetoresistive adj element) same (conduct$3 adj pad) same connect$3 same (web or substrate)	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:33
S19	2	(magnetoresistive adj element) same (conduct$3 adj pad) same connect$3	USPAT; JPO; DERWENT	OR	ON	2004/11/04 15:33
S28	2	("4847584").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2004/11/05 09:36
S29	15	"4847584".URPN.	USPAT	OR	ON	2004/11/05 09:41
S30	53	360/316.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:34
S31	8	360/316.ccls. and (MR adj sensors)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:34
S34	1	(US-6344951-$).did.	USPAT	OR	OFF	2004/11/09 09:51
S35	0	((US-6344951-$).did.) and (MR adj element)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:13
S36	0	((US-6344951-$).did.) and MR	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S37	1	((US-6344951-$).did.) and (spin adj valve)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S38	0	(((US-6344951-$).did.) and (spin adj valve)) and pad	USPAT; JPO; DERWENT	OR	ON	2004/11/09 09:52
S39	1	(((US-6344951-$).did.) and (spin adj valve)) and conduct$3	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:05
S41	1680	216/22,48.ccls.	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:12

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S42	59	216/22,48.ccls. and (MR adj element)	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:17
S43	30	(216/22,48.ccls. and (MR adj element)) and magnetiz$5	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:13
S44	12	((216/22,48.ccls. and (MR adj element)) and magnetiz$5) and cut$4	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:33
S51	1	(US-6452382-$).did.	USPAT	OR	OFF	2004/11/09 10:33
S52	0	((US-6452382-$).did.) and cut$4	USPAT; JPO; DERWENT	OR	ON	2004/11/09 10:33
S60	7	(US-5247278-$ or US-5583424-$ or US-5805390-$ or US-5952825-$ or US-6344951-$ or US-6452382-$). did. or (JP-10302203-$).did.	USPAT; JPO	OR	ON	2005/03/23 12:49
S61	3	("6700759").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 15:48
S62	16	("5459099" | "5559654" | "5621596" | "5729410" | "5784224" | "5792510" | "5862022" | "5880912" | "5883763" | "5898548" | "6005753" | "6023395" | "6043960" | "6054023" | "6259586" | "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 10:12
S63	24	(sensor adj layer) with wall	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:27
S64	0	(sensor adj layer) with ((perpendicular or vertical) near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:28
S65	2	(sensor adj layer) near wall	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:27
S66	319	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 15:21
S67	27	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall) same (etch$3 or remov$3)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:33

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EAST Search History

S68	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) with (conductive near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:34
S69	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (conductive near wall)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:34
S70	0	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (conductive near (wall or frame or mask$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:35
S71	4109	(conductive adj (wall or frame or mask$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:39
S72	5380	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:46
S73	0	S71 and S72	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:36
S74	73	(laminat$3 or stack$3 or form$3 or deposit$3) with (first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/09/11 08:30
S75	0	S71 and S74	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:38
S76	7257	(conductive near (wall or frame or mask$3))	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:46
S77	0	S74 and S76	USPAT; JPO; DERWENT	OR	ON	2005/09/09 10:39
S79	5	("6018862" | "6204997" | "6483663" | "6510024" | "6661621").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:27
S80	2	("6460243").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 11:27

EAST Search History

S81	16	("5459099" | "5559654" | "5621596" | "5729410" | "5784224" | "5792510" | "5862022" | "5880912" | "5883763" | "5898548" | "6005753" | "6023395" | "6043960" | "6054023" | "6259586" | "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:30
S82	3	S72 and S76	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:34
S83	7153	narrow with sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S84	161	S72 and S83	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S85	0	S76 and S84	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:35
S86	67	S84 and mask$3	USPAT; JPO; DERWENT	OR	ON	2005/09/09 11:41
S89	14	("4914538" | "5268806" | "5491600" | "5668688" | "5680282" | "5828232" | "5883764" | "5901018" | "6002553" | "6023395" | "6114719" | "6118638" | "6134089" | "6249407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 11:43
S90	1634	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	US-PGPUB	OR	ON	2005/09/11 08:27
S91	1484	(conductive near (wall or frame or mask$3))	US-PGPUB	OR	ON	2005/09/09 11:47
S92	6	S90 and S91	US-PGPUB	OR	ON	2005/09/09 13:36
S93	197	360/324.2.ccls.	US-PGPUB	OR	ON	2005/09/09 13:38
S94	176	S93 and tunnel	US-PGPUB	OR	ON	2005/09/09 13:36
S95	115	S93 and tunnel and MR	US-PGPUB	OR	ON	2005/09/09 13:37
S96	57	S93 and tunnel and MR and etch$3	US-PGPUB	OR	ON	2005/09/09 13:37
S98	412	360/324.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/09 13:39
S99	64	S98 and (tunnel$3 same MR same layer$1) and etch$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/09/09 13:39

EAST Search History

S10 1	14	("4914538" | "5268806" | "5491600" | "5668688" | "5680282" | "5828232" | "5883764" | "5901018" | "6002553" | "6023395" | "6114719" | "6118638" | "6134089" | "6249407").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 14:54
S10 2	13	("4502914" | "4599790" | "4759822" | "4774206" | "4803181" | "4857477" | "4947413" | "4968646" | "5089913" | "5102827" | "5110760" | "5231040" | "5288654").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:00
S10 3	12	("4343082" | "4358340" | "4432132" | "4455738" | "4502914" | "4568565" | "4578157" | "4608271" | "4645563" | "4784718" | "4803181" | "4886763").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:01
S10 4	6	("4042726" | "4313782" | "4331708" | "4334348" | "4354896" | "4454014").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:05
S10 5	104	("4502914").URPN.	USPAT	OR	ON	2005/09/09 15:07
S10 6	9	("4502914" | "4803181" | "5595941" | "5665203" | "5705321" | "5710066" | "5714039" | "5895740" | "6291137").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:12
S10 7	9	("4502914" | "4803181" | "5595941" | "5665203" | "5705321" | "5710066" | "5714039" | "5895740" | "6291137").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:13
S10 8	8	("4502914" | "4803181" | "5595941" | "5665203" | "5705321" | "5710066" | "5714039" | "5895740").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/09 15:13
S10 9	2	("6291137").URPN.	USPAT	OR	ON	2005/09/09 15:13
S11 0	35	(sensor or (spin adj valve) or magnetoresistive) with ((perpendicular or vertical) near wall)	EPO; JPO	OR	ON	2005/09/09 15:22
S11 1	947	(sensor or (spin adj valve) or magnetoresistive) with etch$3	EPO; JPO	OR	ON	2005/09/09 15:22
S11 2	0	(sensor or (spin adj valve) or magnetoresistive) with etch$3 with liftoff	EPO; JPO	OR	ON	2005/09/09 15:22
S11 3	1	(sensor or (spin adj valve) or magnetoresistive) with etch$3 with (lift adj off)	EPO; JPO	OR	ON	2005/09/09 15:22

EAST Search History

S11 4	31	(bias adj layers) near sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:01
S11 7	3	("6700759").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/09 15:48
S12 2	0	(plurality near (bias adj layers)) and (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 3	227	((bias adj layers)) and (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 4	21	((bias adj layers)) same (pole adj tip)	USPAT; JPO; DERWENT	OR	ON	2005/09/09 16:02
S12 5	34	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) same (liftoff or (lift adj off))	US-PGPUB	OR	ON	2005/09/11 08:28
S12 7	276	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) and (liftoff or (lift adj off))	US-PGPUB	OR	ON	2005/09/11 08:35
S12 9	9	(spin adj valve) with (first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer)	USPAT; JPO; DERWENT	OR	ON	2005/09/11 08:30
S13 0	26	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element)) and ((first adj magnetic adj layer) with (nonmagnetic adj layer) with (second adj magnetic adj layer))	US-PGPUB	OR	ON	2005/09/11 08:34
S13 2	1634	((sensor adj layer) or ((spin adj valve) near layer) or (magnetoresistive adj element))	US-PGPUB	OR	ON	2005/09/11 08:35
S13 5	2	("6282069").PN.	USPAT; USOCR; JPO; DERWENT	OR	OFF	2005/09/11 08:37
S13 7	81	204/192.15.ccls. and (sputtering with (conductive adj (layer or material)))	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:50
S13 8	0	S132 and S137	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:45

S13 9	6	S137 and sensor	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:45
S14 0	1	(US-6153062-$).did.	USPAT	OR	ON	2005/09/11 09:50
S14 1	1	S140 and sputtering	USPAT; JPO; DERWENT	OR	ON	2005/09/11 09:50
S14 2	2	("6556391").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/24 09:02
S14 3	12	("20020006020" | "5739987" | "5898548" | "5901018" | "6157526" | "6185080" | "6210810" | "6266218" | "6295186" | "6327107" | "6333842" | "6381107").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 09:02
S14 4	21	(US-20030011941-$).did. or (US-6433970-$ or US-6862798-$ or US-6291137-$ or US-6185081-$ or US-5996213-$ or US-6833979-$ or US-6054023-$ or US-4502914-$ or US-6153062-$ or US-6423475-$ or US-5459099-$ or US-6282069-$ or US-6519118-$ or US-4803181-$ or US-6327107-$ or US-6266218-$ or US-6185080-$ or US-5901018-$ or US-5898548-$).did. or (JP-11224411-$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/24 09:08
S14 5	0	S144 and (soft near magnetic$4 near layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:09
S14 6	2	S144 and (soft near magnetic$4)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/24 09:09
S15 4	177	(protect$3 adj layer) with (bias$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:33
S15 5	5072	(etch$3 or remov$3) near (protect$3 adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
S15 6	12	S154 and S155	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 09:56

S15 7	17	("5018037" | "5079035" | "5287238" | "5408377" | "5442507" | "5465185" | "5701223" | "5768067" | "5784225" | "5869963" | "5959810" | "6038107" | "6061211" | "6117569" | "6134090" | "6219207" | "6327122").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:01
S15 8	25	("5018037" | "5079035" | "5287238" | "5408377" | "5442507" | "5465185" | "5701223" | "5705973" | "5751521" | "5768067" | "5784225" | "5869963" | "5949623" | "5959810" | "5995338" | "6038107" | "6061211" | "6117569" | "6134090" | "6175477" | "6185078" | "6219207" | "6243241" | "6262869" | "6327122").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:03
S15 9	10	("5959810" | "5995338" | "6061211" | "6074767" | "6118624" | "6128167" | "6134090" | "6175477" | "6201673" | "6243241").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:22
S16 2	6	("5438470" | "6025979" | "6040962" | "6093444" | "6141190" | "6146775").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:23
S16 3	8	("4271441" | "4639806" | "4663685" | "4803580" | "5005096" | "5018037" | "5168409" | "5351158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:25
S16 4	7	("4663685" | "5018037" | "5206590" | "5438470" | "5608593" | "5699213" | "5936810").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:25
S16 5	8	("4271441" | "4639806" | "4663685" | "4803580" | "5005096" | "5018037" | "5168409" | "5351158").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:26
S16 6	13	("4024489" | "5018037" | "5438470" | "5641557" | "5646805" | "5701221" | "5739988" | "5739990" | "5748416" | "5754376" | "5805389" | "5847904" | "5876843").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/28 10:26
S16 7	15	("5876843").URPN.	USPAT	OR	ON	2006/02/28 10:27

S16 8	30	(US-20030011941-$).did. or (US-5996213-$ or US-5459099-$ or US-6054023-$ or US-5898548-$ or US-6433970-$ or US-5901018-$ or US-4803181-$ or US-4502914-$ or US-6862798-$ or US-6423475-$ or US-6291137-$ or US-6185081-$ or US-6519118-$ or US-6833979-$ or US-6153062-$ or US-6327107-$ or US-6185080-$ or US-6282069-$ or US-6266218-$ or US-5648298-$ or US-6791804-$ or US-6690554-$ or US-6587315-$ or US-5959810-$ or US-6118624-$ or US-5876843-$). did. or (US-6663987-$).did. or (JP-11224411-$ or JP-63312634-$). did.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/28 10:29
S16 9	3	S155 and S168	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:29
S17 0	1069	((etch$3 or remov$3) near (protect$3 adj layer)).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:29
S17 1	448	(etch$3 or remov$3) near (oxidiz$5 adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
S17 2	68	((etch$3 or remov$3) near (oxidiz$5 adj layer)).clm.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:31
S17 3	3	S170 and S172	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:32
S17 4	1134	S170 or S172	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:32
S17 5	177	((protect$3 or oxidiz$5) adj layer) with (bias$3 adj (layer or material))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:17
S17 6	6	S174 and S175	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34

S17 7	5513	S155 or S171	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34
S17 8	12	S175 and S177	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 10:34
S17 9	0	jp-1131313-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
S18 0	2	jp-10131313-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:11
S18 1	1	jp-01131313-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:12
S18 2	7	"1131313"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:12
S18 3	0	jp-08450373-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
S18 4	0	jp-0845037-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:13
S18 5	2	jp-08045037-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
S18 6	0	jp-9282618-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
S18 7	2	jp-09282618-$.did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:14
S18 8	6445	(magnetoresist$3 near (element or device))	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/02/28 11:15

EAST Search History

S19 4	8	(("6040962") or ("5438470") or ("6141190") or ("6344953")).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/02/28 11:37
S19 5	127	(seed adj layer) with (hard adj bias)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 09:26
S19 6	18	(seed adj layer) with (hard adj bias) with (free adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 08:20
S19 7	14	(("6353318") or ("6417999") or ("6262869") or ("6434814") or ("6238531") or ("6473277") or ("6447839")).PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/03/03 07:41
S19 8	143	PINARBASI-MUSTAFA.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 07:41
S19 9	415	(hard adj bias) with (free adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 07:45
S20 0	56	S198 and S199	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 08:19
S20 1	42	S200 and (seed adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 07:42
S20 2	13	S200 and S195	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 07:42
S20 3	1	(hard adj bias) with (free adj layer) with coplan$3	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 07:45
S20 4	91	(seed adj layer) same (hard adj bias) same (free adj layer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/03/03 08:20
S20 5	0	(seed adj layer) same (hard adj bias) same (free adj layer)	EPO; JPO	OR	ON	2006/03/03 08:20

EAST Search History

S20 6	0	(seed adj layer) and (hard adj bias) and (free adj layer)	EPO; JPO	OR	ON	2006/03/03 08:20
S20 7	4	(hard adj bias) and (free adj layer)	EPO; JPO	OR	ON	2006/03/03 08:25
S20 8	2	("6421212").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	OFF	2006/03/03 08:25
S20 9	1	(US-20040047087-$).did.	US-PGPUB	OR	ON	2006/03/03 09:24
S21 4	10	(("5496759") or ("5861328") or ("5940319") or ("6048739") or ("6153443") or ("6165083") or ("6174737") or ("6211090") or ("6392922") or ("6500676")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/17 11:19
S21 5	55	BASEMAN-DANIEL-I.in. or BERG-LONNY-I.in. or KATTI-ROMNEY-r.in. or REED-DANIEL-s.in. or SHAW-GORDON-a.in. or ZOU-WEI-d-z.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 11:21
S21 6	41	S215 and (magnetoresistive or (spin adj valve))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 11:29
S21 7	8	S216 and (etch$3 near stop)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 11:29
S21 8	1	("6717194").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/17 11:27
S21 9	1928	(magnetoresistive or (spin adj valve) or GMR) same ((etch$3 near stop) or protect$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 11:30
S22 0	108	(magnetoresistive or (spin adj valve) or GMR) same ((etch$3 near stop) or protect$3) same (photoresist)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 11:30
S22 1	18	(magnetoresistive or (spin adj valve) or GMR) same ((etch$3 near stop) or protect$3) same (photoresist) same oxide	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:30
S22 2	10	("3381171" | "4731757" | "4780848" | "4897288" | "5496759" | "5569617" | "6381171" | "6487110" | "6555858").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 11:33

S22 3	5	("4731757" | "4780848" | "5060193" | "5064499" | "5424236").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 11:34
S22 4	40	("5569617").URPN.	USPAT	OR	ON	2006/03/17 11:35
S22 5	191	(magnetoresistive or (spin adj valve) or GMR) near ((etch$3 near stop) or protect$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:48
S22 6	15	(magnetoresistive or (spin adj valve) or GMR) near (oxide near layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:31
S22 7	42	(magnetoresistive or (spin adj valve) or GMR) near (oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:31
S22 8	1	S225 and S227	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:31
S22 9	1166	(magnetoresistive or (spin adj valve) or GMR) with (oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:33
S23 0	20	S225 and S229	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:32
S23 1	103	(form$3 or provid$3) with (magnetoresistive or (spin adj valve) or GMR) with (oxide near layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:38
S23 2	1	S225 and S231	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:34
S23 3	29	((form$3 or provid$3) with (magnetoresistive or (spin adj valve) or GMR) with (oxide near layer)).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:34
S23 4	21	((magnetoresistive or (spin adj valve) or GMR) near ((etch$3 near stop) or protect$3)).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:34
S23 5	1	S233 and S234	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:34
S23 6	23	((etch$3 near stop) or protect$3) with (magnetoresistive or (spin adj valve) or GMR) with (oxide near layer)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:41
S23 7	2	(("5715152") or ("5583725")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/17 12:41

S23 8	25	(magnetoresistive or (spin adj valve) or GMR or (tunnel near junction)) with (antiferromagnetic near oxid$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:48

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